

# Comparisons of Job Characteristics

**Focus Occupation:** [Electrical and Electronics Repairers, Powerhouse, Substation, and Relay \(49-2095\)](#)

**Associated Occupation:** [Electric Motor, Power Tool, and Related Repairers \(49-2092\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 77

**Focus Occupation:** Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

**Associated Occupation:** Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	17.7	17.1	0 Current knowledge level may be sufficient
Engineering and Technology	5.7	9.2	9.3	0 Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 78

**Focus Occupation:** Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

**Associated Occupation:** Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	14.0	11.1	< A higher skill level may be required
Troubleshooting	4.5	12.6	10.7	< A higher skill level may be required
Quality Control Analysis	5.9	11.9	10.2	< A higher skill level may be required
Equipment Maintenance	3.5	11.5	11.4	0 Current skill level may be sufficient
Equipment Selection	3.3	10.4	5.6	<< Extensive development of skills in this area may be required
Installation	1.7	7.4	2.1	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 79

**Focus Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)****Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	13.9	9.8	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	12.5	9.4	<<	Extensive improvement in abilities may be required
Visual Color Discrimination	6.4	11.0	9.3	<	Some improvement in abilities may be required
Auditory Attention	5.9	9.8	6.4	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	9.8	6.6	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	9.7	7.0	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	6.2	4.8	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

**Activities that Both Occupations Have in Common**

**Similarity of Focus Occupation to Associated Occupation: 95**

**Focus Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)****Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)**

Work Activities	Exclusivity of Activity
Clean equipment or machinery	20
Distinguish colors	44
Fabricate, assemble, or disassemble manufactured products by hand	11
Inspect transformer for defects	99
Install or replace meters, regulators, or related measuring or control devices	66
Install/connect electrical equipment to power circuit	57
Maintain or repair industrial or related equipment/machinery	39
Maintain or repair work tools or equipment	81
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read schematics	34
Read technical drawings	7
Repair electrical transformers	99
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Solder electrical or electronic connections or components	55
Test electrical/electronic wiring, equipment, systems or fixtures	54
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40

Use hand or power tools	2
Use high voltage apparatus	76
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)**

**Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.